

To: Yamada, Richard (Yujiro)[yamada.richard@epa.gov]
From: Beck, Nancy
Sent: Wed 6/28/2017 11:00:17 PM
Subject: FW: FFRRO Technical Fact Sheets Update
[1-4-Dioxane fact sheet update 5-26-17 508.pdf](#)
[FFRRO Fact Sheet -DNT 2-7-17 508.pdf](#)
[FFRRO Fact Sheet-Nanomaterials 4-28-17.pdf](#)
[FFRRO FactSheet PBDE-PBB update 1-23-17 508.pdf](#)
[FFRRO ECFactSheet RDX 4-24-17 508.pdf](#)
[FFRRO ECFactSheet Tungsten 4-24-17.pdf](#)
[FFRROFactSheet Contaminants PFOS PFOA 4-11-17.pdf](#)
[FFRROFactSheet Contaminants TCP 1-23-17 508.pdf](#)
[FFRROFactSheet Contaminants TNT 1-23-16 508.pdf](#)
[NDMA fact sheet update 1-19-17 508.pdf](#)
[Perchlorate FactSheet 4-24-17.pdf](#)

FYI

Nancy B. Beck, Ph.D., DABT

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From: Davis, Patrick

Sent: Wednesday, June 28, 2017 3:05 PM

To: Beck, Nancy <Beck.Nancy@epa.gov>; Forsgren, Lee <Forsgren.Lee@epa.gov>;
Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>; Bolen, Brittany
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Subject: FW: FFRRO Technical Fact Sheets Update

Sending again with attachments

Patrick Davis

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From: Davis, Patrick

Sent: Monday, June 26, 2017 4:20 PM

To: Beck, Nancy <beck.nancy@epa.gov>; Forsgren, Lee <Forsgren.Lee@epa.gov>; Patrick Traylor (traylor.patrick@epa.gov) <traylor.patrick@epa.gov>; Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>; Bolen, Brittany <bolen.brittany@epa.gov>

Subject: FW: FFRRO Technical Fact Sheets Update

Nancy, Lee, Patrick, Mandy and Brittany,

Attached are Technical fact sheet updates for our review before they are posted to our website. We have put a hold on the PFOA/PFOS and Perchlorate fact sheets. If you see others that raise a red flag please let me know.

Thanks,

Patrick Davis

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From: Cooke, Maryt

Sent: Thursday, June 15, 2017 11:46 AM

To: Breen, Barry <Breen.Barry@epa.gov>; Davis, Patrick <davis.patrick@epa.gov>; Simon, Nigel <Simon.Nigel@epa.gov>; Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>

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Subject: FFRRO Technical Fact Sheets Update

Barry/Patrick/Nigel –

FFRRO has updated our Technical Fact Sheets and I wanted to get your approval to move them through the OPA process in preparation of posting them online.

As background, FFRRO has been the lead on these Emerging Contaminant/Technical Fact Sheets since 2005. These fact sheets, available online on the FFRRO website and clu-in.org, provide a summary of the contaminant including physical and chemical properties; environmental and health impacts; existing federal and state guidelines; detection and treatment methods; and additional sources of information. They are generally intended for use by site managers and other field personnel who may address these contaminants at cleanup sites.

FFRRO has developed eleven Technical Fact Sheets based on the needs of EPA staff and in conjunction with the DoD Emerging Contaminants Watch List. They are 1,2,3-trichloropropane (TCP), 1,4-Dioxane, Nanomaterials, N-Nitrosodimethylamine (NDMA), Perchlorate, polybrominated diphenyl ethers (PBDE) and polybrominated biphenyls (PBB), Tungsten, perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS), dinitrotoluene (DNT), 2,4,6-trinitrotoluene (TNT), and hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX). While many of these compounds are more commonly associated with DoD they are not necessarily exclusive to the Services. These fact sheet are also accessed by and available to the public and we have received inquiries on many of them from all over the world.

The last update of the fact sheets occurred about 2 years ago. Since then much of the science and information surrounding these compounds has evolved. One fact sheet of note is the PFOA/PFOS fact sheet. Before the EPA HA was released FFRRO took the PFOA/PFOS factsheet offline so that no confusion would be created by conflicting information in an outdated fact sheet. We have updated the document to be consistent with the HA and most recent information. Several EPA offices have reviewed and offered input on these including OSRTI, ORD, PARMS. The PFOA/S fact sheet has also been reviewed by OW, OEM and ORCR.

We sent these to CPA in anticipation of getting your approval to move forward. Once approve they will continue through the OPA process.

Please let me know if you have any questions or require any additional information. I look forward to your feedback.

Thank you

Mary T. Cooke

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